

**Amendments to the Claims:**

This listing of claims will replace all prior variations and listings of claims in the application:

**Listing of Claims:**

What is claimed is:

1        1 (amended). An apparatus providing true geodetic coordinates of a target position using an  
2        optical stereo image database comprising:  
3            a portable personal computing device (PC) having means to accept input and  
4            commands, means to output, a memory means, and means to display a set of optical  
5            stereo images, side by side, from said optical stereo image database, comprising a first  
6            image and a second image wherein said optical stereo image database is a Digital  
7            Point Positioning Database (DPPDB); and,  
8            a processor configured to maintain said optical stereo image database comprising at  
9            least one set of said stereo images with corresponding geodetic data, and to execute a  
10          process corresponding to said input and commands, said process comprising,  
11            accepting input of geodetic coordinates of an own position (OP);

12 extracting the set of stereo images centered around said OP from said  
13 stereo image database and storing said images in said memory means;  
14 displaying said stereo images via said display means and displaying a  
15 first marker corresponding to the OP on each of the first and second  
16 images;  
17 accepting input of target position (TGT) on said first stereo image and  
18 displaying a second marker corresponding to the TGT on the first  
19 image;  
20 autocorrelating and displaying said second marker corresponding to the  
21 TGT on said second stereo image;  
22 receiving approval of the selection of TGT;  
23 computing the true geodetic coordinates and elevation for the TGT  
24 including correcting said geodetic data from the optical stereo image  
25 database for local magnetic declination variance;  
26 outputting the true geodetic coordinates, inclination and range of TGT.

1 2 (original). The apparatus of claim 1 wherein said portable personal computing device  
2 comprises a Panasonic Toughbook <sup>TM</sup> or a Dell Inspiron <sup>TM</sup>.

1 3 (canceled)

4 (amended). The apparatus of claim 1 wherein said true geodetic coordinates of said own position (OP) are obtained from said image database, ~~a Global Positioning System (GPS) receiver~~, an Advanced Targeting Forward Looking Radar (ATFLIR) image, a Low Altitude Navigation and Targeting Infrared for Night (LANTIRN) pod, or the FalconView mapping system.

5 (amended). The apparatus of claim 1 wherein said geodetic coordinates are in the World Geodetic System 1984 (WGS-84), the ~~Military~~ Military Grid Reference System (MGRS), or like reference system.

6 (original). The process of claim 1 wherein the process utilizes the Reference Point Method (RPM) for correcting said geodetic data from the optical stereo image database for local magnetic declination variance.

7 (amended). A method for providing true geodetic coordinates of a target position using an optical stereo image database comprising:  
providing a portable personal computing device (PC) having means to accept input and commands, means to output, a memory means, and means to display a set of optical stereo images, side by side, from said optical stereo image database, comprising a first image and a

second image wherein said optical stereo image database is a Digital Point Positioning Database (DPPDB); and,

providing a processor configured to maintain a stereo image database comprising optical stereo imagery with corresponding geodetic data, and to execute a process corresponding to said input and commands, said process comprising,

accepting input of geodetic coordinates of an own position (OP);

extracting the set of stereo images centered around said OP from said stereo image database and storing said images in said memory means;

displaying said stereo images via said display means and displaying a first marker corresponding to the OP on each of the first and second images;

accepting input of target position (TGT) on said first stereo image and displaying a second marker corresponding to the TGT on the first image;

autocorrelating and displaying said second marker corresponding to the TGT on said second stereo image;

receiving approval of the selection of TGT;

computing the true geodetic coordinates and elevation for the TGT including

correcting said geodetic data from the optical stereo image database for local magnetic declination variance;

outputting the true geodetic coordinates, inclination and range of TGT.

1 8 (original). The method of claim 7 wherein said portable personal computing device  
2 comprises a Panasonic Toughbook <sup>TM</sup> or a Dell Inspiron <sup>TM</sup>.

1 9 (canceled)

1 10 (amended). The method of claim 7 wherein said true geodetic coordinates of said own  
2 position (OP) are obtained from said image database, a ~~Global Positioning System (GPS)-~~  
3 ~~receiver~~, an Advanced Targeting Forward Looking Radar (ATFLIR) image, a Low Altitude  
4 Navigation and Targeting Infrared for Night (LANTIRN) pod, or the FalconView mapping  
5 system.

1 11 (amended). The method of claim 7 wherein said geodetic coordinates are in the World  
2 Geodetic System 1984 (WGS-84), the ~~Military~~ Military Grid Reference System (MGRS), or  
3 like reference system.

1 12 (original). The method of claim 7 wherein the process utilizes the Reference Point Method  
2 (RPM) for correcting said geodetic data from the optical stereo image database for local  
3 magnetic declination variance.

13 (amended). A computer program product, embodied on a computer readable medium, for providing true geodetic coordinates of a target position using an optical stereo image database comprising:

computer code embedded in a portable personal computer (PC) having a computer program code causing said PC to interface with a user and with other electronic medium; computer code for receiving input and commands and for outputting data; computer code for displaying a set stereo images side by side, from said optical stereo image database, comprising a first image and a second image wherein said optical stereo image database is a Digital Point Positioning Database (DPPDB), said DPPDB consisting of a stereo image based product having parametric support data, compressed reference graphics, and high resolution optical imagery stereo pair sets each covering a 60 x 60 nautical mile area;

computer code for configuring a processor to maintain said optical stereo image database comprising at least one set of said stereo images with corresponding geodetic data;

and,

computer code to execute a process corresponding to said input and commands, said process comprising,

accepting input of geodetic coordinates of an own position (OP);

extracting the set of stereo images centered around said OP from said stereo image database and storing said images in said memory means;

20 displaying said stereo images via said display means and displaying a first marker  
21 corresponding to the OP on each of the first and second images;  
22 accepting input of target position (TGT) on said first stereo image and displaying a  
23 second marker corresponding to the TGT on the first image;  
24 autocorrelating and displaying said second marker corresponding to the TGT on said  
25 second stereo image;  
26 receiving approval of the selection of TGT;  
27 computing the true geodetic coordinates and elevation for the TGT including  
28 correcting said geodetic data from the optical stereo image database for local  
29 magnetic declination variance;  
30 outputting the true geodetic coordinates, inclination and range of TGT.

1 14 (original). The computer program product of claim 13 wherein said portable personal  
2 computer (PC) comprises a Panasonic Toughbook <sup>TM</sup> or a Dell Inspiron <sup>TM</sup>.

1 15 (canceled)

1 16 (amended). The computer program product of claim 13 wherein said true geodetic  
2 coordinates of said own position (OP) are obtained from said image database, a ~~Global~~  
3 ~~Positioning System (GPS) receiver~~, an Advanced Targeting Forward Looking Radar

4 (ATFLIR) image, a Low Altitude Navigation and Targeting Infrared for Night (LANTIRN)  
5 pod, or the FalconView mapping system.

1 17 (amended). The computer program product of claim13 wherein said geodetic coordinates  
2 are in the World Geodetic System 1984 (WGS-84), the ~~Military~~ Military Grid Reference  
3 System (MGRS), or like reference system.

1 18 (original). The computer program product of claim13 wherein the process utilizes the  
2 Reference Point Method (RPM) for correcting said geodetic data from the optical stereo  
3 image database for local magnetic declination variance.